

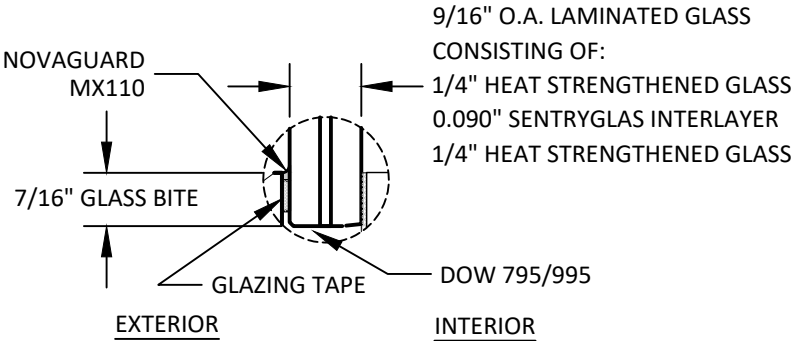
# OLIVERI MILLWORKS

## DIRECT-SET FIXED WINDOW

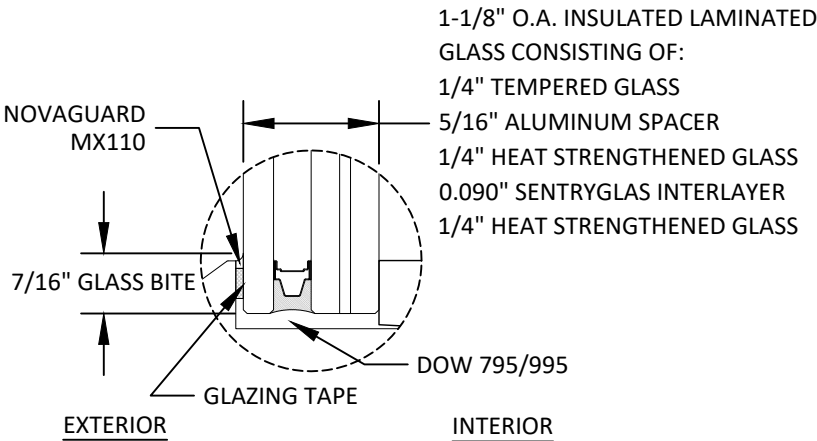
### (HVHZ)(IMPACT)

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT EDITION FLORIDA BUILDING CODE (FBC), **INCLUDING** HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
- TAS 201-94
  - TAS 202-94
  - TAS 203-94
  - ASTM E1886-19
  - ASTM E1996-20
  - ASTM 283/283M-19
  - ASTM 330/330M-14(21)
  - ASTM 331/331M-00(16)
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X FRAMING, AND METAL FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
3. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
4. INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/2 INCH OF THE DEPICTED LOCATION IN THE ANCHOR LAYOUT DETAIL (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
5. THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.
6. APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
7. WINDOW FRAME MATERIAL: MAHOGANY
8. GLASS MEETS THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 1 FOR GLAZING DETAILS.



GLAZING DETAIL 1



GLAZING DETAIL 2

TABLE OF CONTENTS	
SHEET	SHEET DESCRIPTION
1	GENERAL NOTES & GLAZING DETAILS
2	ELEVATION
3	ELEVATION
4	ANCHOR LAYOUT
5	ANCHOR LAYOUT
6	VERTICAL SECTIONS
7	HORIZONTAL SECTIONS
8	HORIZONTAL SECTIONS
9	HORIZONTAL SECTIONS
10	INSTALLATION DETAILS
11	INSTALLATION NOTES & ANCHOR SCHEDULE
12	BILL OF MATERIALS

DESIGN PRESSURE RATING (PSF)			
WIDTH (IN.)	HEIGHT (IN.)	DESIGN PRESSURE	MISSILE IMPACT RATING
SEE SHEETS 2 & 3	SEE SHEETS 2 & 3	SEE SHEETS 2 & 3	LARGE & SMALL MISSILE IMPACT

- GLAZING NOTES:
1. GLASS TYPE COMPLIES WITH ASTM E1300 REQUIREMENTS. PER THE FBC TEMPER AND SAFETY GLAZING REQUIREMENTS SHALL BE REVIEWED ON A SITE SPECIFIC BASIS.

2. SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN FBC CHAPTER 24.

3. SETTING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36" AS PER FBC CHAPTER 24.

4. D.L.O. AND DESIGN PRESSURES MAY NOT EXCEED MAX VALUES SHOWN HEREIN.



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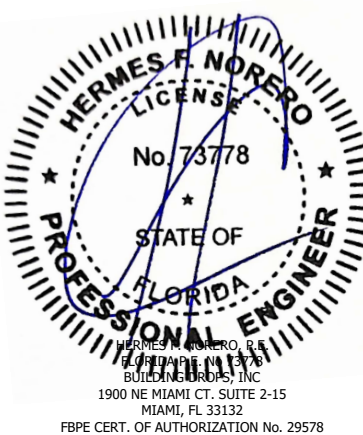
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DIRECT-SET FIXED WINDOW  
(HVHZ) (IMPACT)  
GENERAL NOTES &  
GLAZING DETAIL

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BUILDING DROPS, INC.  
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MIAMI, FL 33132  
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FAX: (954) 744-4738  
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REMARKS	BY	DATE

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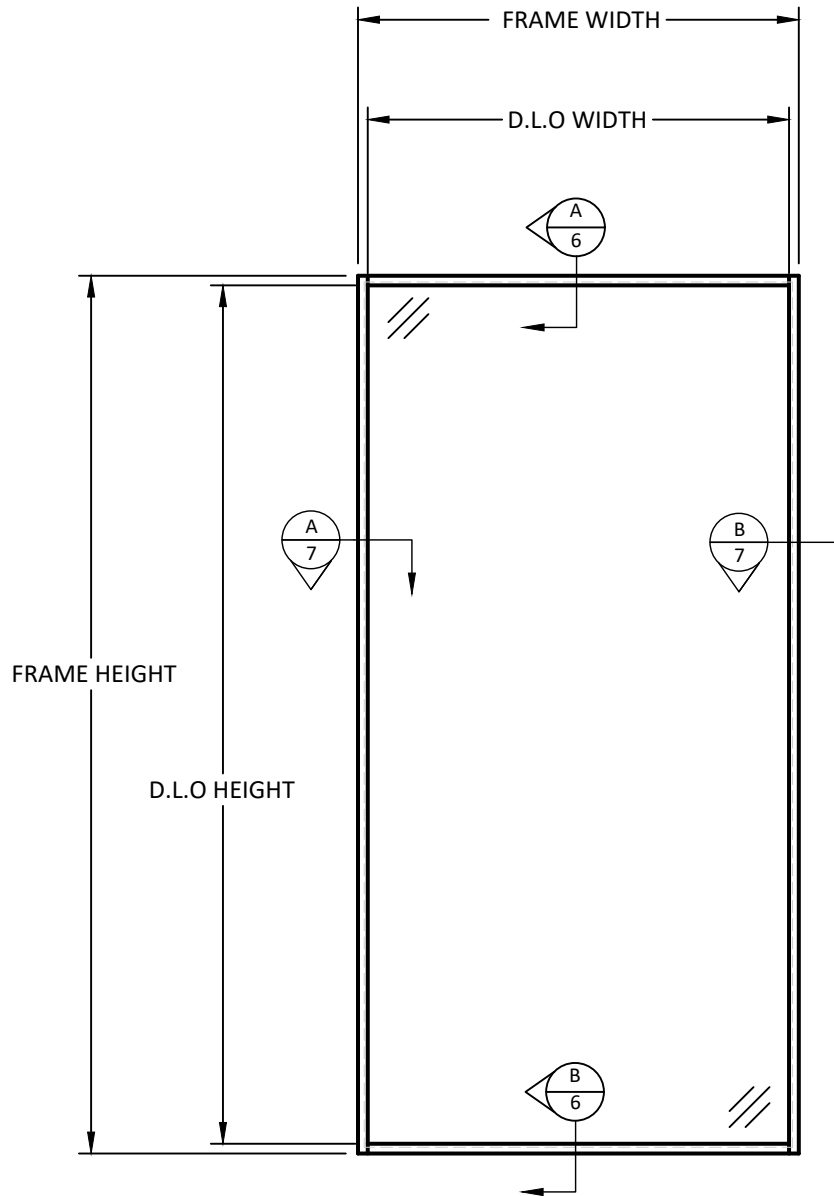
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SCALE: **NTS**

DWG. #: **OVM002**

SHEET:  
**1**  
OF 12

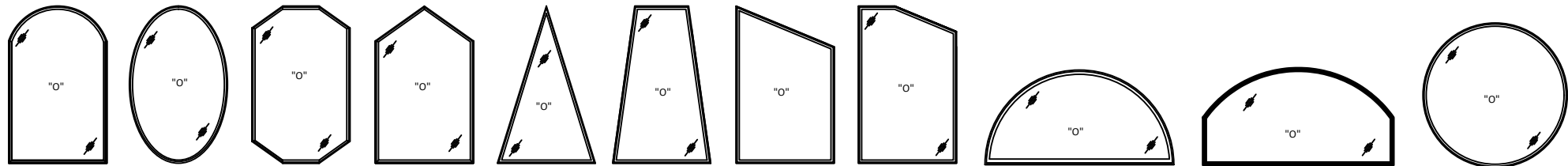
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D.L.O. HEIGHT = FRAME HEIGHT - 3.1875"  
D.L.O. WIDTH = FRAME WIDTH - 3.1875"

QUALIFIED  
SHAPES

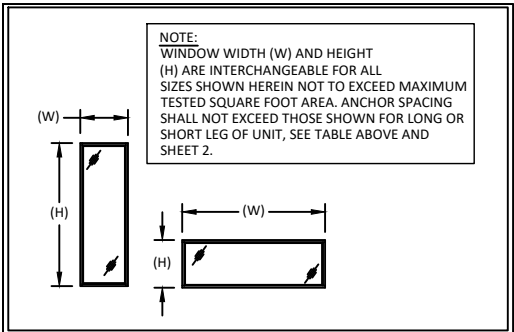
NOTE: TYPICAL  
SHAPES SHOWN. ANY  
SHAPE IS QUALIFIED.  
INSCRIBED SHAPE IS  
LIMITED TO THE  
RECTANGLE MAX.  
WIDTH AND HEIGHT  
IN DP TABLES ON  
SHEET 2.



DESIGN PRESSURE CHART (PSF)			
FRAME WIDTH (IN.)	FRAME HEIGHT (IN.)	EXT. (+)	INT. (-)
60	60	75.00	75.00
	66	75.00	75.00
	72	75.00	75.00
	78	75.00	75.00
	84	75.00	75.00
	90	75.00	75.00
	96	75.00	75.00
	102	75.00	75.00
	108	75.00	75.00
	114	75.00	75.00
	120	75.00	75.00
	126	75.00	75.00
	132	75.00	75.00
	138	75.00	75.00
	144	75.00	75.00
	150	75.00	75.00
	156	75.00	75.00
	162	75.00	75.00
66	60	75.00	75.00
	66	75.00	75.00
	72	75.00	75.00
	78	75.00	75.00
	84	75.00	75.00
	90	75.00	75.00
	96	75.00	75.00
	102	75.00	75.00
	108	75.00	75.00
	114	75.00	75.00
	120	75.00	75.00
	126	75.00	75.00
	132	75.00	75.00
	138	75.00	75.00
	144	75.00	75.00
	150	75.00	75.00
	156	75.00	75.00
72	60	75.00	75.00
	66	75.00	75.00
	72	75.00	75.00
	78	75.00	75.00
	84	75.00	75.00
	90	75.00	75.00
	96	75.00	75.00
	102	75.00	75.00
	108	75.00	75.00
	114	75.00	75.00
	120	75.00	75.00
	126	75.00	75.00
	132	75.00	75.00
	138	75.00	75.00
	144	75.00	75.00

DESIGN PRESSURE CHART (PSF)			
FRAME WIDTH (IN.)	FRAME HEIGHT (IN.)	EXT. (+)	INT. (-)
78	60	75.00	75.00
	66	75.00	75.00
	72	75.00	75.00
	78	69.23	69.23
	84	69.23	69.23
	90	69.23	69.23
	96	69.23	69.23
	102	69.23	69.23
	108	69.23	69.23
	114	69.23	69.23
	120	69.23	69.23
	132	69.23	69.23
84	60	75.00	75.00
	66	75.00	75.00
	72	75.00	75.00
	78	69.23	69.23
	84	64.29	64.29
	90	64.29	64.29
	96	64.29	64.29
	102	64.29	64.29
	108	64.29	64.29
	114	64.29	64.29
	120	64.29	64.29
90	60	75.00	75.00
	66	75.00	75.00
	72	75.00	75.00
	78	69.23	69.23
	84	64.29	64.29
	90	60.00	60.00
	96	60.00	60.00
	102	60.00	60.00
	108	60.00	60.00
	114	60.00	60.00
	120	60.00	60.00
96	60	75.00	75.00
	66	75.00	75.00
	72	75.00	75.00
	78	69.23	69.23
	84	64.29	64.29
	90	60.00	60.00

DESIGN PRESSURE CHART (PSF)			
FRAME WIDTH (IN.)	FRAME HEIGHT (IN.)	EXT. (+)	INT. (-)
102	60	75.00	75.00
	66	75.00	75.00
	72	75.00	75.00
	78	69.23	69.23
	84	64.29	64.29
	90	60.00	60.00
108	60	75.00	75.00
	66	75.00	75.00
	72	75.00	75.00
	78	69.23	69.23
	84	64.29	64.29
	90	60.00	60.00
114	60	75.00	75.00
	66	75.00	75.00
	72	75.00	75.00
	78	69.23	69.23
	84	64.29	64.29
	90	60.00	60.00
120	60	75.00	75.00
	66	75.00	75.00
	72	75.00	75.00
	78	69.23	69.23
126	60	75.00	75.00
	66	75.00	75.00
	72	75.00	75.00
132	60	75.00	75.00
	66	75.00	75.00
	72	75.00	75.00
138	60	75.00	75.00
	66	75.00	75.00
	72	75.00	75.00
144	60	75.00	75.00
	66	75.00	75.00



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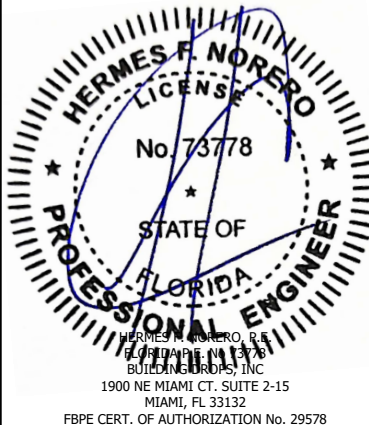
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DIRECT-SET FIXED WINDOW  
(HVHZ) (IMPACT)  
ELEVATION

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REMARKS	BY	DATE

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CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **OVM002**

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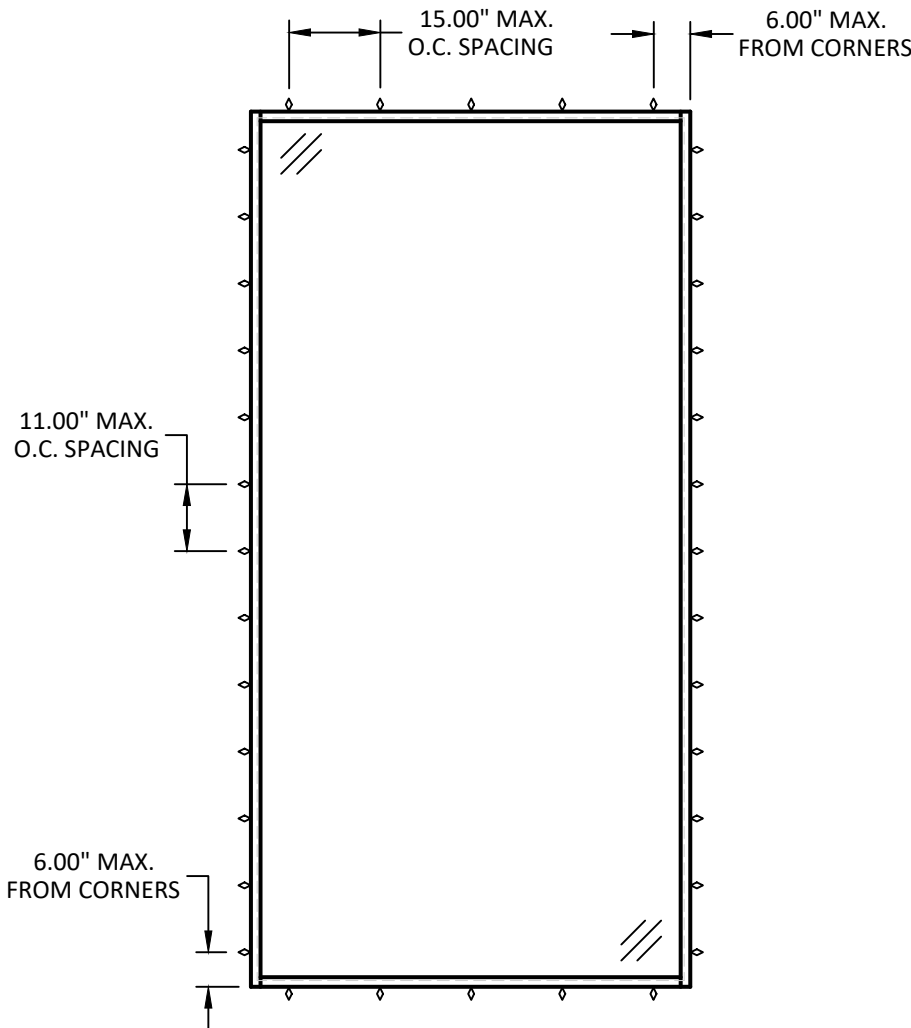
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OF 12

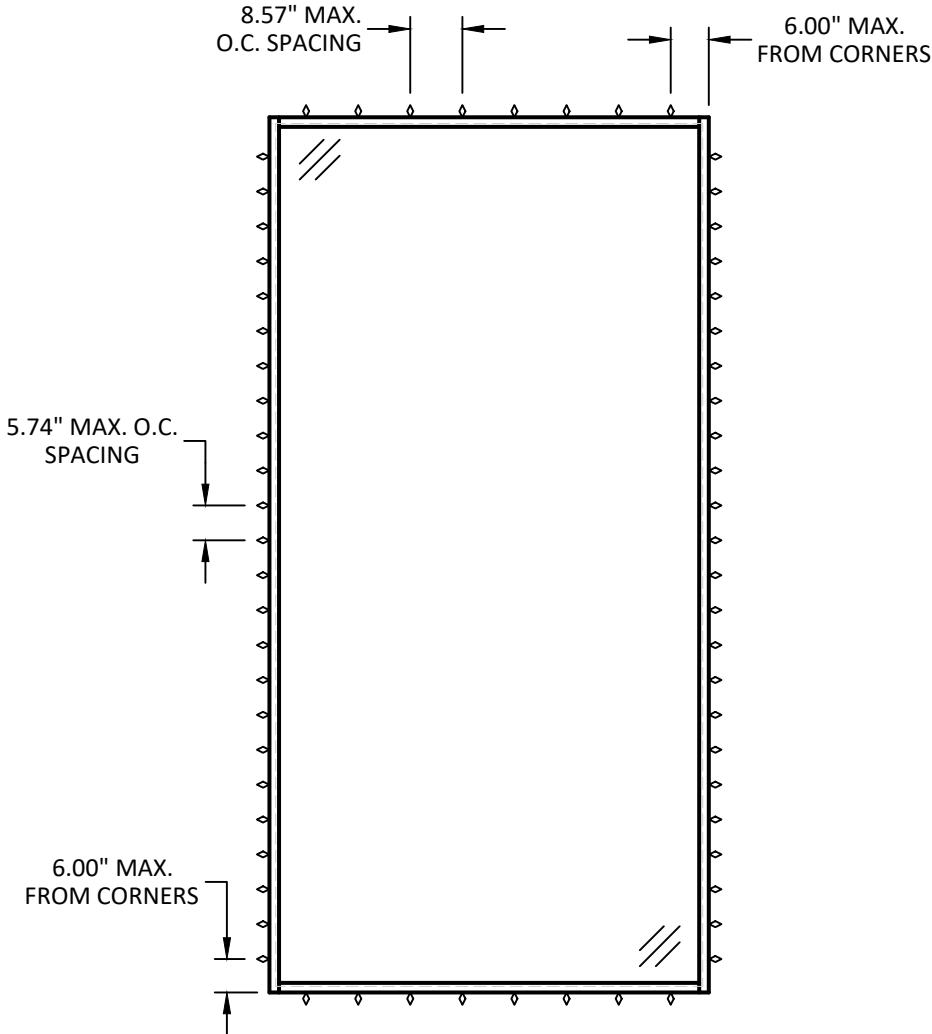




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**ANCHOR LAYOUT**  
THROUGH FRAME / ALUMINUM  
ANGLE / HRS12 STRAP INSTALLATION



**ANCHOR LAYOUT**  
16 GA. SIMPSON CS16Z STEEL STRAP /  
ALUMINUM ANGLE / Z-CLIP  
INSTALLATION

NOTE:  
◊ INSTALLATION ANCHOR



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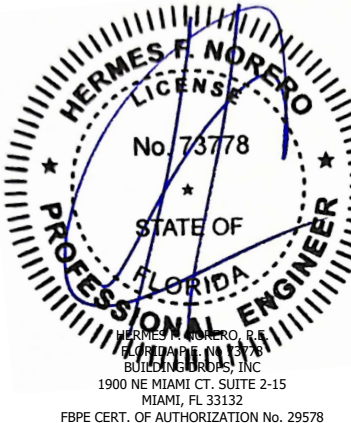
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ANCHOR LAYOUT

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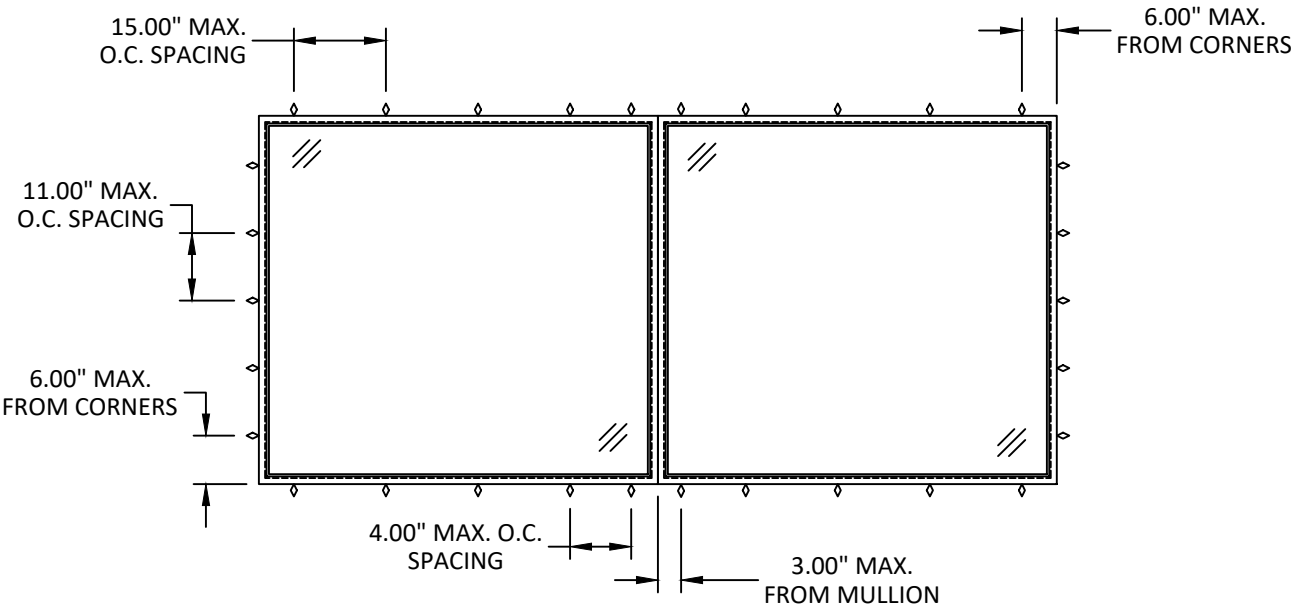
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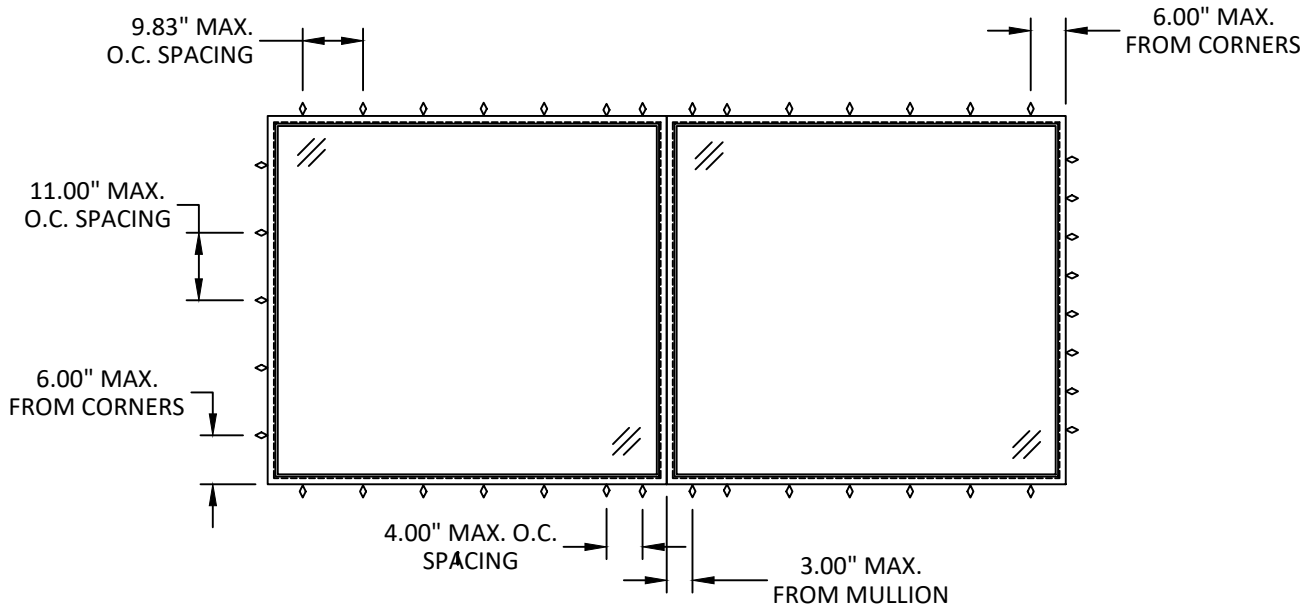
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ANCHOR LAYOUT  
THROUGH FRAME / ALUMINUM  
ANGLE / HRS12 STRAP INSTALLATION

NOTE:  
◊ INSTALLATION ANCHOR



ANCHOR LAYOUT  
16 GA. SIMPSON CS16Z STEEL STRAP /  
ALUMINUM ANGLE / Z-CLIP  
INSTALLATION



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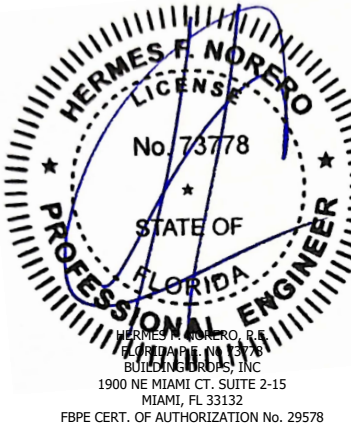
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ANCHOR LAYOUT

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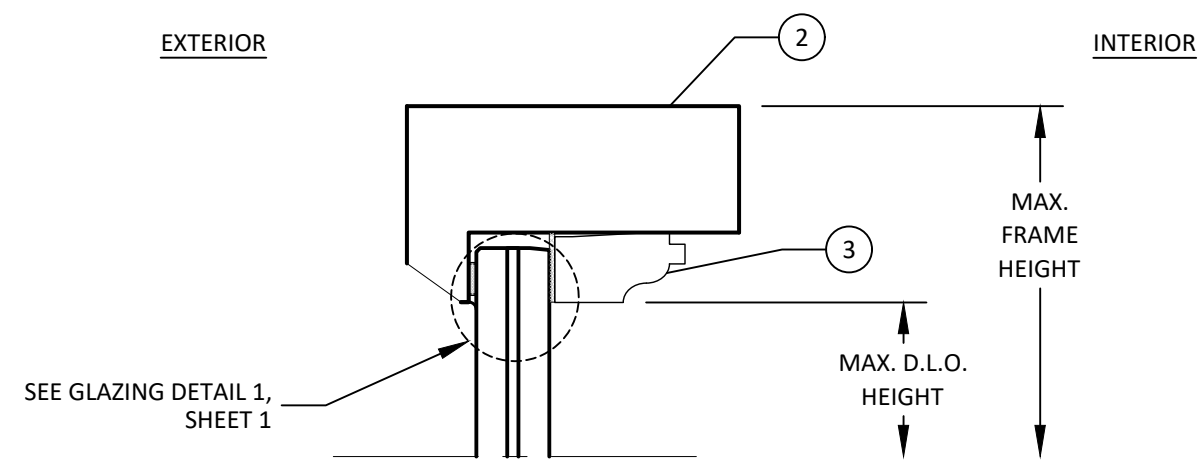
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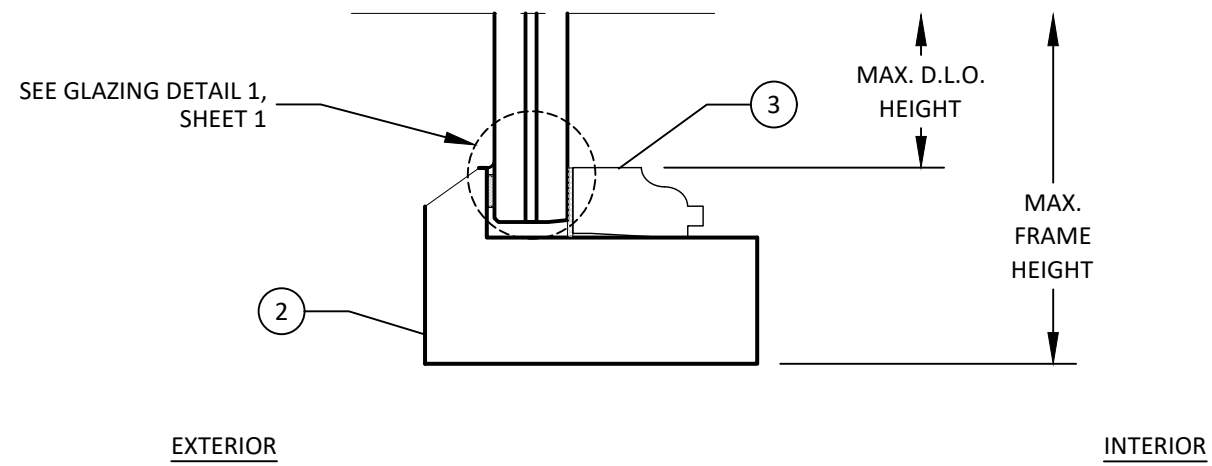
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DATE:	03.17.2025
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JR	HFN
SCALE:	NTS
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SHEET:	5 OF 12

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VERTICAL SECTION  
TYP. HEAD DETAIL

A  
6



VERTICAL SECTION  
TYP. SILL DETAIL

B  
6

NOTE: LAMINATED SHOWN, INSULATED QUALIFIED



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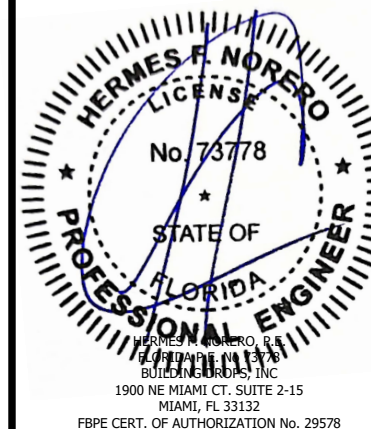
TITLE: DIRECT-SET FIXED WINDOW  
(HVHZ) (IMPACT)  
VERTICAL SECTIONS

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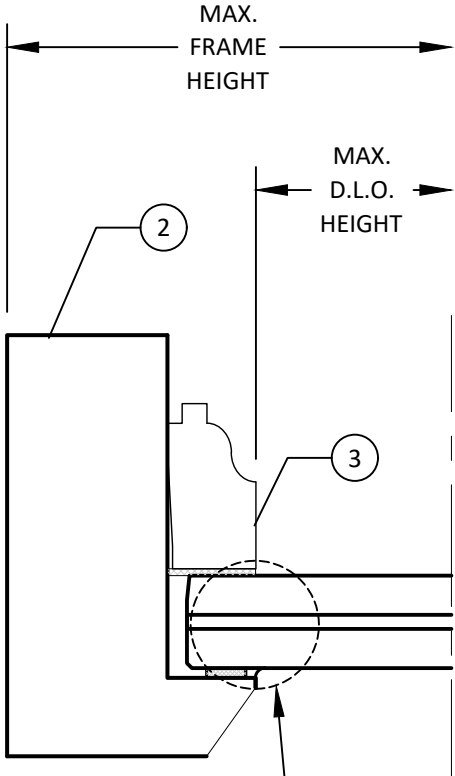
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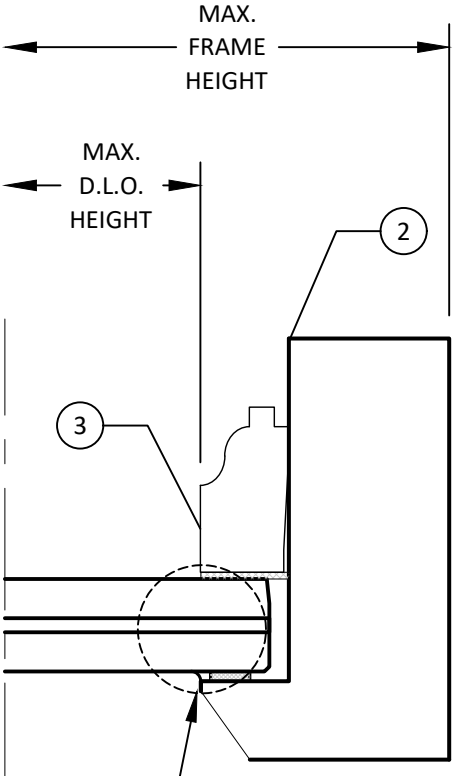
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INTERIOR

EXTERIOR



HORIZONTAL SECTION **A**  
TYP. JAMB DETAIL **7**



HORIZONTAL SECTION **B**  
TYP. JAMB DETAIL **7**

NOTE: LAMINATED SHOWN, INSULATED QUALIFIED



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HORIZONTAL SECTIONS

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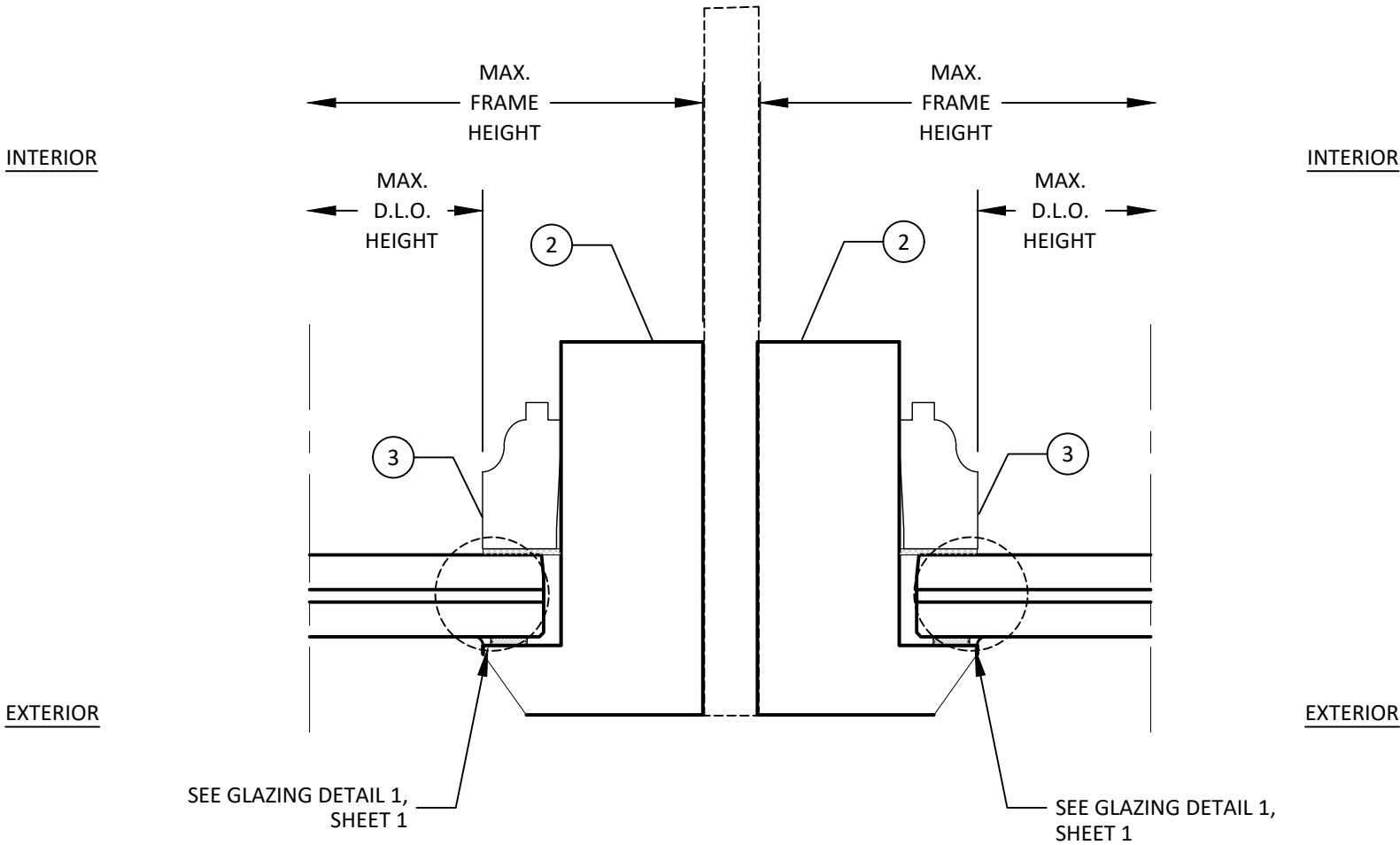
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HORIZONTAL SECTION

TYP. STEEL PLATE REINF. MULLION DETAIL

A  
8

NOTE: MULLION UNDER SEPARATE APPROVAL

NOTE: LAMINATED SHOWN, INSULATED QUALIFIED



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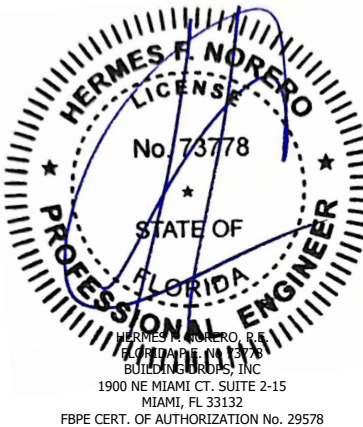
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HORIZONTAL SECTIONS

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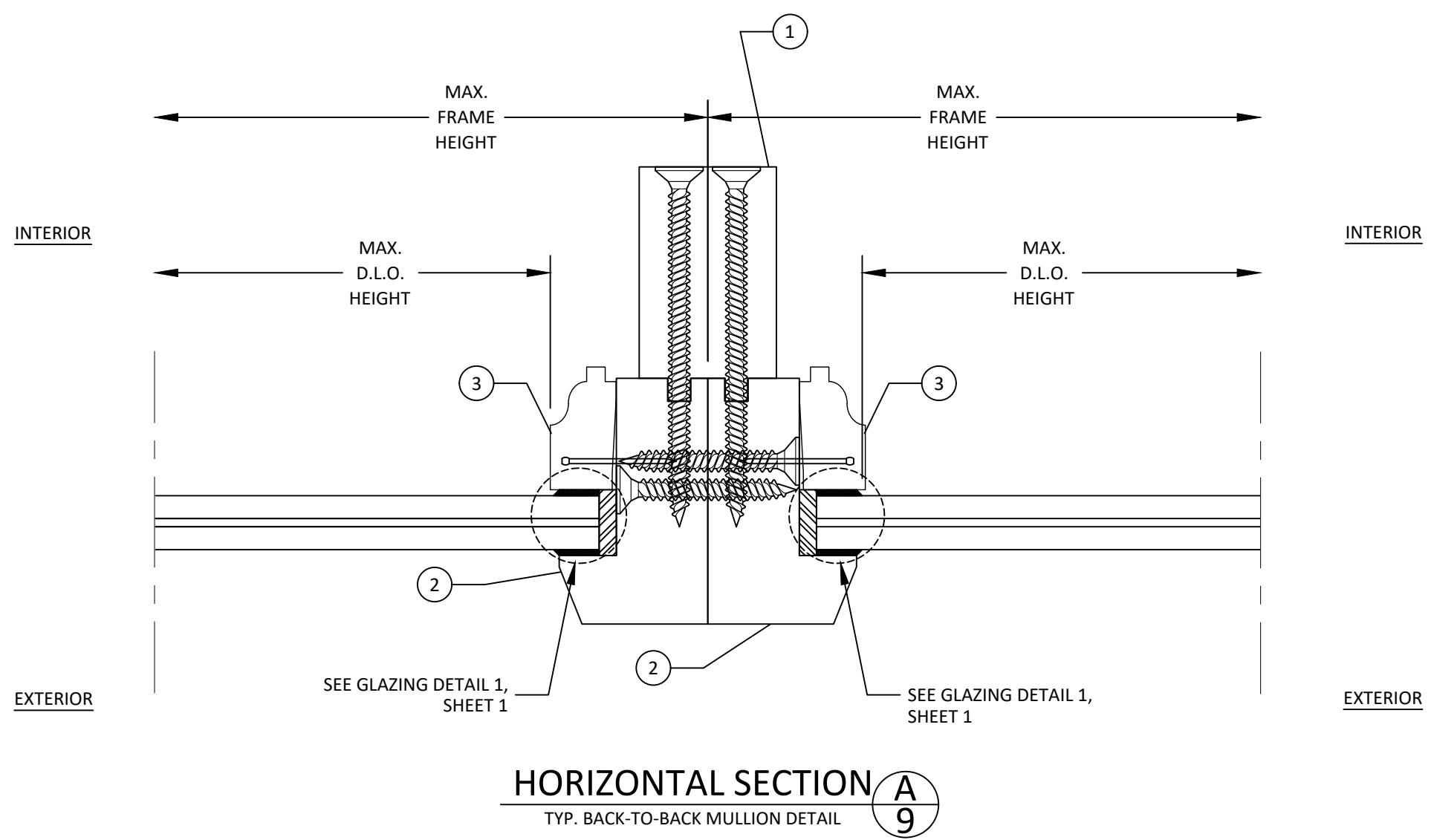
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NOTE: LAMINATED SHOWN, INSULATED QUALIFIED



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TITLE:

DIRECT-SET FIXED WINDOW (HVFZ) (IMPACT)

HORIZONTAL SECTIONS

PREPARED BY:

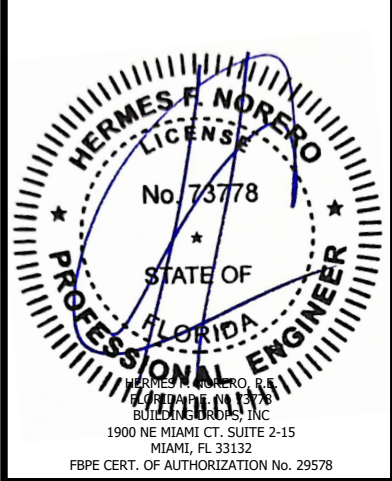
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**BD**  
BUILDING DROPS

REMARKS	BY	DATE

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FL #:

**FL47486**

DATE: **03.17.2025**

DWG. BY: <b>JR</b>	CHK. BY: <b>HFN</b>
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SCALE: **NTS**

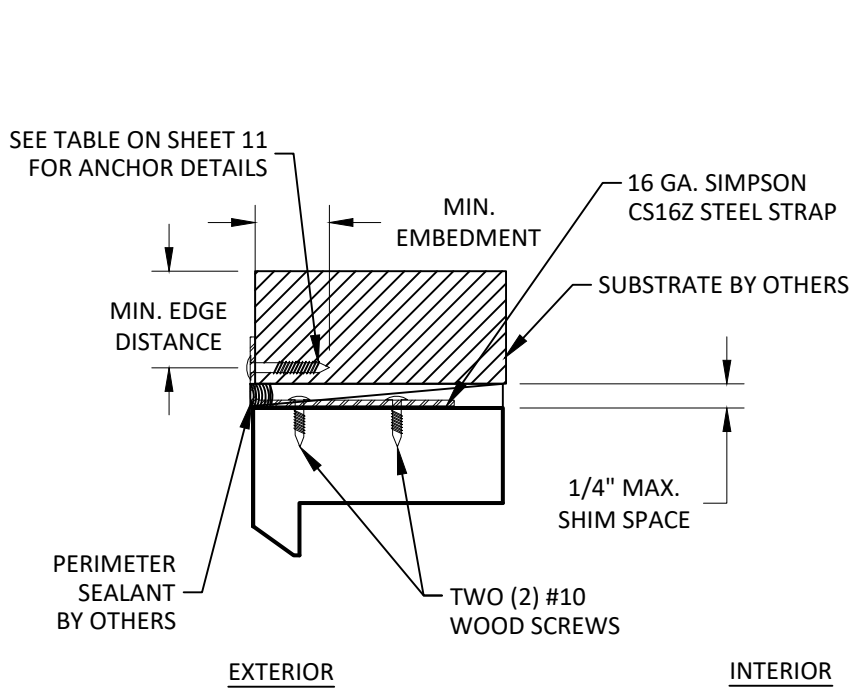
DWG. #: **OVM002**

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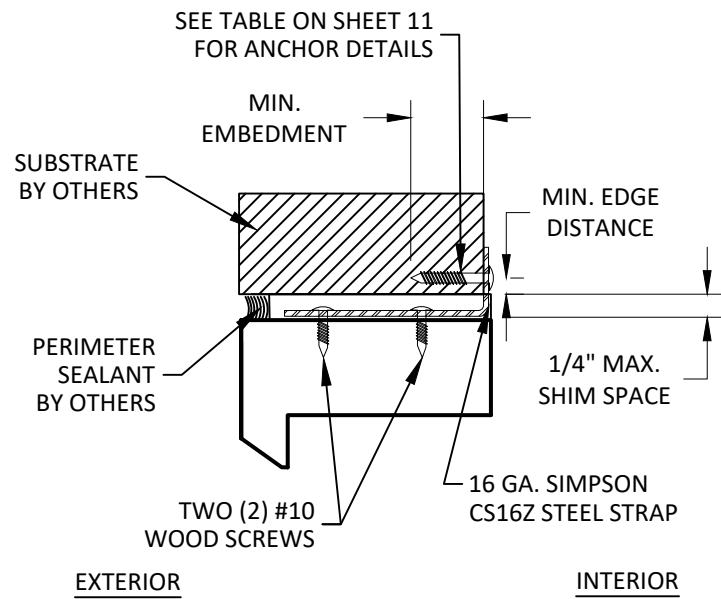
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OF 12

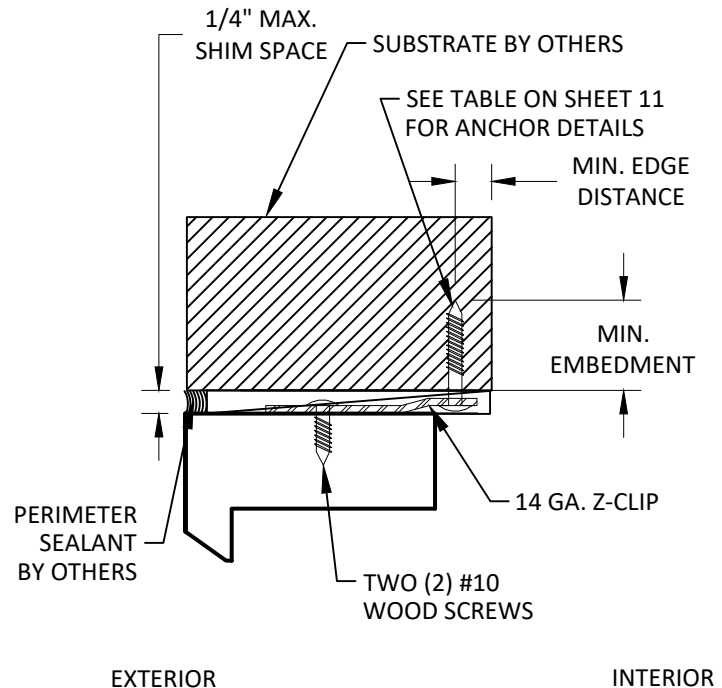
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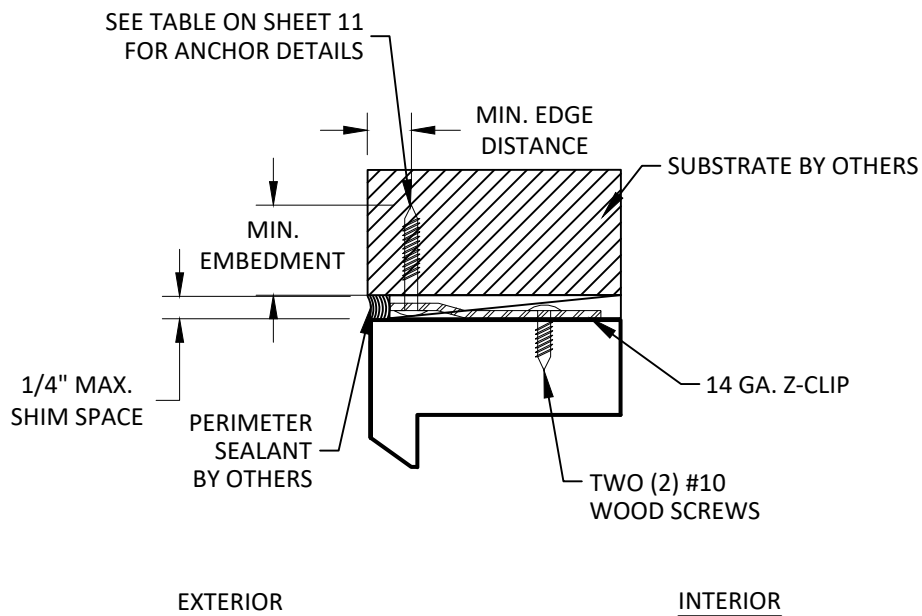
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**10** VERTICAL SECTION  
EXTERIOR BENT STRAP - HEAD SHOWN,  
JAMB/SILL SIMILAR



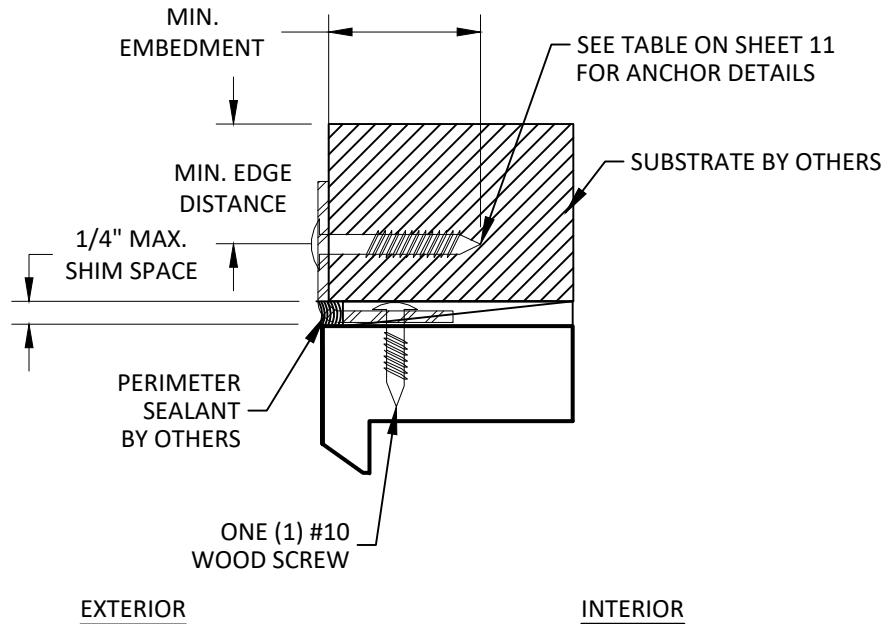
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**10** VERTICAL SECTION  
INTERIOR BENT STRAP - HEAD SHOWN,  
JAMB/SILL SIMILAR



**C**  
**10** VERTICAL SECTION  
INTERIOR Z-CLIP - HEAD SHOWN,  
JAMB/SILL SIMILAR



**D**  
**10** VERTICAL SECTION  
EXTERIOR Z-CLIP - HEAD SHOWN,  
JAMB/SILL SIMILAR



**E**  
**10** VERTICAL SECTION  
ANGLE - HEAD SHOWN, JAMB/SILL SIMILAR

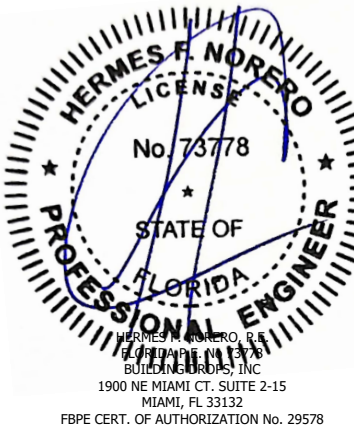
TITLE:  
DIRECT-SET FIXED WINDOW  
(HVHZ) (IMPACT)  
INSTALLATION DETAILS

PREPARED BY:  
BUILDING DROPS, INC.  
1900 NE MIAMI CT. SUITE 2-15  
MIAMI, FL 33132  
PH: (954) 399-8478  
FAX: (954) 744-4738  
WEB: www.buildingdrops.com



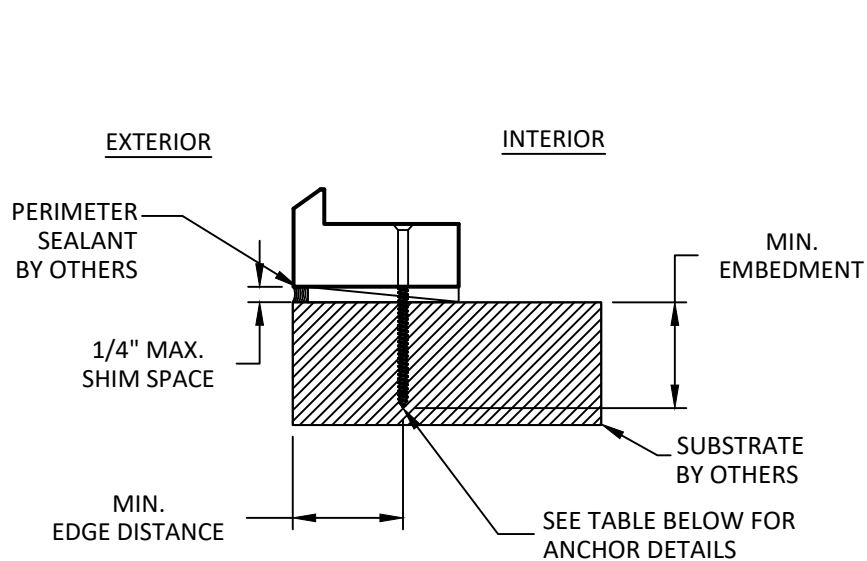
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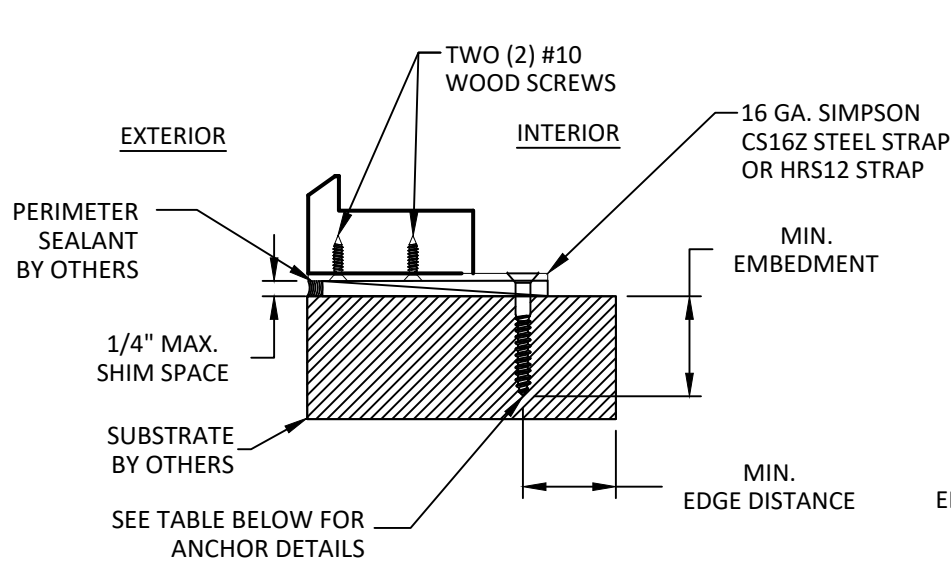


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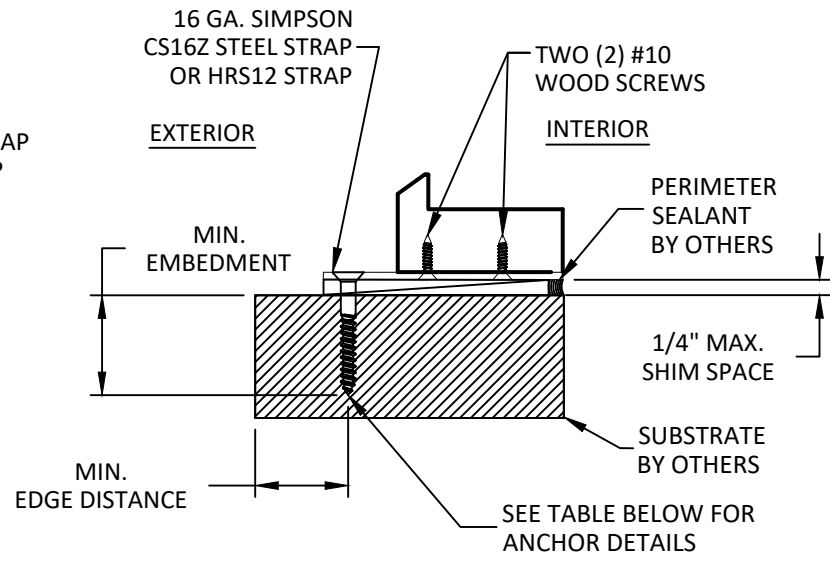
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**A**  
**11** **VERTICAL SECTION**  
THROUGH-FRAME - SILL SHOWN,  
HEAD/JAMB SIM.



**B**  
**11** **VERTICAL SECTION**  
STRAP - SILL SHOWN, HEAD/JAMB SIM.



**C**  
**11** **VERTICAL SECTION**  
STRAP - SILL SHOWN, HEAD/JAMB SIM.

**INSTALLATION NOTES:**

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN ON SHEETS 10-11, UNLESS OTHERWISE STATED ON SHEETS 4-5.
- ONE (1) INSTALLATION STRAP IS REQUIRED AT EACH LOCATION SHOWN ON SHEETS 4-5.
- THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION OF THE MAXIMUM SIZE LISTED.
- INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF  $\pm 1/2$  INCH THE DEPICTED LOCATION & SPACING IN THE ANCHOR LAYOUT DETAILS (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
- SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
- FOR MASONRY OR CONCRETE OPENINGS, A 1X WOOD BUCK MAY BE USED (OPTIONAL) AS LONG AS THE MINIMUM EMBEDMENT AND EDGE DISTANCE REQUIREMENTS ARE STILL MET WITHIN THE CORRESPONDING HOST SUBSTRATE. SEE GENERAL NOTE #3 ON SHEET 1 FOR MORE INFORMATION.
- MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
- INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
- FOR HOLLOW BLOCK AND GROUT FILLED BLOCK, DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF BLOCK.
- INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER.

ANCHOR SCHEDULE				
METHOD	SUBSTRATE	ANCHOR TYPE	MIN. EMBEDMENT	MIN. EDGE DISTANCE
THROUGH FRAME	WOOD: MIN. S.G. = 0.55	#12 WOOD SCREW	1.50"	0.75"
	CONCRETE (MIN. f'c = 3000 PSI) OR CMU (PER ASTM C90) (MIN. f'c = 2000 PSI)	1/4" ITW TAPCON	1.00"	2.00"
	STEEL MIN. 18 GA. (MIN. Fy = 36 KSI) ALUM. MIN. 1/8" THK. (MIN. 6063-T5)	#12 SELF-TAPPING OR SELF-DRILLING SCREW	3 THREADS MIN PENETRATION BEYOND METAL	0.50"
16 GA. SIMPSON CS16Z STEEL STRAP, Z-CLIP, & HRS12 STRAP	WOOD: MIN. S.G. = 0.55	#12 WOOD SCREW	1.50"	0.75"
	CONCRETE (MIN. f'c = 3000 PSI) OR CMU (PER ASTM C90) (MIN. f'c = 2000 PSI)	1/4" ITW TAPCON	1.00"	2.00"
	STEEL MIN. 18 GA. (MIN. Fy = 36 KSI) ALUM. MIN. 1/8" THK. (MIN. 6063-T5)	#12 SELF-TAPPING OR SELF-DRILLING SCREW	3 THREADS MIN PENETRATION BEYOND METAL	0.50"
ALUMINUM ANGLE	WOOD: MIN. S.G. = 0.55	#12 WOOD SCREW	1.50"	0.75"
	CONCRETE (MIN. f'c = 3000 PSI) OR CMU (PER ASTM C90) (MIN. f'c = 2000 PSI)	1/4" ITW TAPCON	1.00"	2.00"
	STEEL MIN. 18 GA. (MIN. Fy = 36 KSI) ALUM. MIN. 1/8" THK. (MIN. 6063-T5)	#12 SELF-TAPPING OR SELF-DRILLING SCREW	3 THREADS MIN PENETRATION BEYOND METAL	0.50"

**OLIVERI**  
ARCHITECTURAL  
WINDOWS + DOORS

3001 TUXEDO AVENUE  
WEST PALM BEACH, FL 33405  
PH: + (561) 478-7233

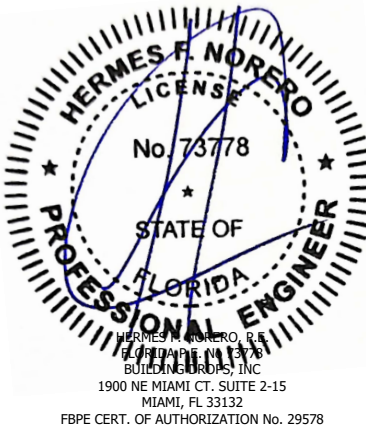
TITLE:  
DIRECT-SET FIXED WINDOW  
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INSTALLATION NOTES &  
ANCHOR SCHEDULE

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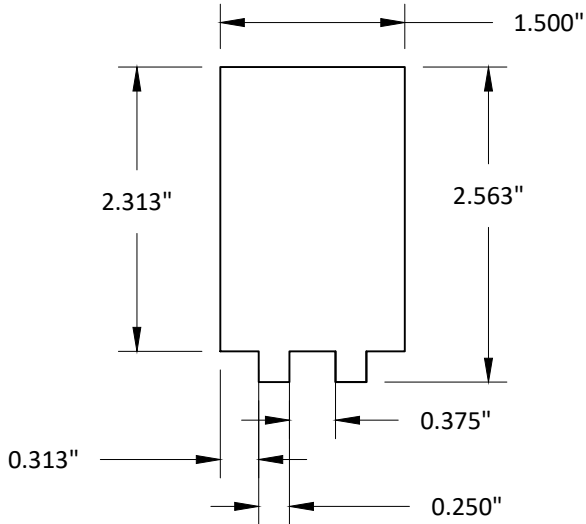


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DWG. BY:		CHK. BY:	
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DWG. #:		OVM002	
SHEET:		11	
		OF 12	

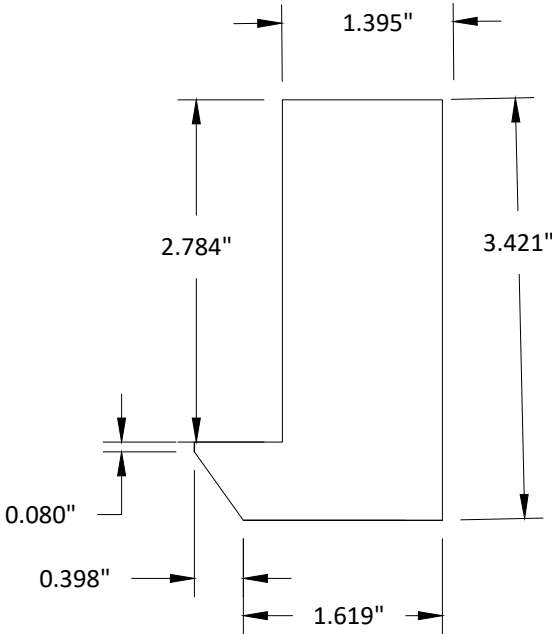
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BILL OF MATERIALS		
ITEM NUMBER	DESCRIPTION	MATERIAL
1	MULLION REINFORCEMENT	MAHOGANY
2	HEAD/SILL/JAMB	MAHOGANY
3	GLAZING BEAD	MAHOGANY

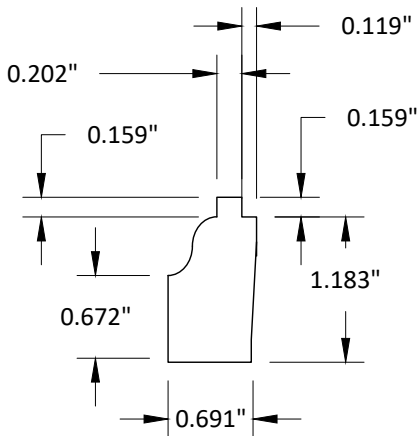
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MATERIAL: MAHOGANY



2 HEAD/SILL/JAMB  
MATERIAL: MAHOGANY



3 GLAZING BEAD  
MATERIAL: MAHOGANY



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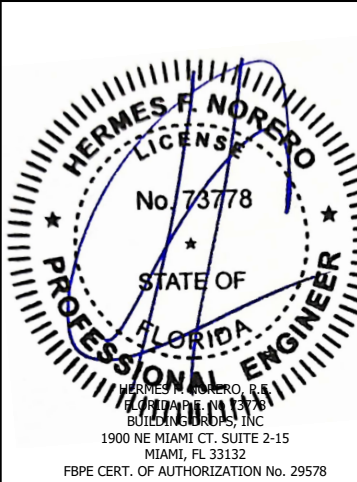
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SCALE: **NTS**

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SHEET: **12** OF 12